

# SEQUENCE LISTING

<110> Delacourte, André  
 Sergeant, Nicolas

<120> Prevention, treatment and diagnosis of diseases associated with  
 beta-amyloid formation and/or aggregation

<130> 11362.0039.NPUS01 (INNS039---)

<150> European Patent Application No. 02447147.6  
 <151> 2002-07-24

<150> 60/401,497  
 <151> 2002-08-06

<160> 261

<170> PatentIn version 3.2

<210> 1  
 <211> 4  
 <212> PRT  
 <213> homo sapiens

<400> 1

Asp Ala Glu Phe  
 1

<210> 2  
 <211> 5  
 <212> PRT  
 <213> homo sapiens

<400> 2

Asp Ala Glu Phe Arg  
 1 5

<210> 3  
 <211> 6  
 <212> PRT  
 <213> homo sapiens

<400> 3

Asp Ala Glu Phe Arg His  
 1 5

<210> 4  
 <211> 7  
 <212> PRT  
 <213> homo sapiens

<400> 4

Asp Ala Glu Phe Arg His Asp  
1 5

<210> 5  
<211> 8  
<212> PRT  
<213> homo sapiens

<400> 5

Asp Ala Glu Phe Arg His Asp Ser  
1 5

<210> 6  
<211> 9  
<212> PRT  
<213> homo sapiens

<400> 6

Asp Ala Glu Phe Arg His Asp Ser Gly  
1 5

<210> 7  
<211> 10  
<212> PRT  
<213> homo sapiens

<400> 7

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr  
1 5 10

<210> 8  
<211> 11  
<212> PRT  
<213> homo sapiens

<400> 8

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu  
1 5 10

<210> 9  
<211> 12  
<212> PRT  
<213> homo sapiens

<400> 9

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val  
1 5 10

<210> 10  
<211> 13  
<212> PRT  
<213> homo sapiens

<400> 10

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His  
1 5 10

<210> 11  
<211> 14  
<212> PRT  
<213> homo sapiens

<400> 11

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His  
1 5 10

<210> 12  
<211> 15  
<212> PRT  
<213> homo sapiens

<400> 12

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln  
1 5 10 15

<210> 13  
<211> 16  
<212> PRT  
<213> homo sapiens

<400> 13

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys  
1 5 10 15

<210> 14  
<211> 4  
<212> PRT  
<213> homo sapiens

<400> 14

Ala Glu Phe Arg  
1

<210> 15  
<211> 5  
<212> PRT

<213> homo sapiens

<400> 15

Ala Glu Phe Arg His  
1 5

<210> 16

<211> 6

<212> PRT

<213> homo sapiens

<400> 16

Ala Glu Phe Arg His Asp  
1 5

<210> 17

<211> 7

<212> PRT

<213> homo sapiens

<400> 17

Ala Glu Phe Arg His Asp Ser  
1 5

<210> 18

<211> 8

<212> PRT

<213> homo sapiens

<400> 18

Ala Glu Phe Arg His Asp Ser Gly  
1 5

<210> 19

<211> 9

<212> PRT

<213> homo sapiens

<400> 19

Ala Glu Phe Arg His Asp Ser Gly Tyr  
1 5

<210> 20

<211> 10

<212> PRT

<213> homo sapiens

<400> 20

Ala Glu Phe Arg His Asp Ser Gly Tyr Glu  
1 5 10

<210> 21  
<211> 11  
<212> PRT  
<213> homo sapiens

<400> 21

Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val  
1 5 10

<210> 22  
<211> 12  
<212> PRT  
<213> homo sapiens

<400> 22

Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His  
1 5 10

<210> 23  
<211> 13  
<212> PRT  
<213> homo sapiens

<400> 23

Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His  
1 5 10

<210> 24  
<211> 14  
<212> PRT  
<213> homo sapiens

<400> 24

Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln  
1 5 10

<210> 25  
<211> 15  
<212> PRT  
<213> homo sapiens

<400> 25

Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys  
1 5 10 15

<210> 26  
<211> 16  
<212> PRT  
<213> homo sapiens

<400> 26

Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys Leu  
1 5 10 15

<210> 27  
<211> 4  
<212> PRT  
<213> homo sapiens

<400> 27

Glu Phe Arg His  
1

<210> 28  
<211> 5  
<212> PRT  
<213> homo sapiens

<400> 28

Glu Phe Arg His Asp  
1 5

<210> 29  
<211> 6  
<212> PRT  
<213> homo sapiens

<400> 29

Glu Phe Arg His Asp Ser  
1 5

<210> 30  
<211> 7  
<212> PRT  
<213> homo sapiens

<400> 30

Glu Phe Arg His Asp Ser Gly  
1 5

<210> 31  
<211> 8  
<212> PRT  
<213> homo sapiens

<400> 31

Glu Phe Arg His Asp Ser Gly Tyr  
1 5

<210> 32

<211> 9

<212> PRT

<213> homo sapiens

<400> 32

Glu Phe Arg His Asp Ser Gly Tyr Glu  
1 5

<210> 33

<211> 10

<212> PRT

<213> homo sapiens

<400> 33

Glu Phe Arg His Asp Ser Gly Tyr Glu Val  
1 5 10

<210> 34

<211> 11

<212> PRT

<213> homo sapiens

<400> 34

Glu Phe Arg His Asp Ser Gly Tyr Glu Val His  
1 5 10

<210> 35

<211> 12

<212> PRT

<213> homo sapiens

<400> 35

Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His  
1 5 10

<210> 36

<211> 13

<212> PRT

<213> homo sapiens

<400> 36

Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln

1 5 10

<210> 37  
<211> 14  
<212> PRT  
<213> homo sapiens

<400> 37

Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys  
1 5 10

<210> 38  
<211> 15  
<212> PRT  
<213> homo sapiens

<400> 38

Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys Leu  
1 5 10 15

<210> 39  
<211> 16  
<212> PRT  
<213> homo sapiens

<400> 39

Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys Leu Val  
1 5 10 15

<210> 40  
<211> 4  
<212> PRT  
<213> homo sapiens

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa represents pyroglutamate

<400> 40

Xaa Phe Arg His  
1

<210> 41  
<211> 6  
<212> PRT  
<213> homo sapiens



<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa represents pyroglutamate

<400> 41

Xaa Glu Phe Arg His Asp  
1 5

<210> 42  
<211> 7  
<212> PRT  
<213> homo sapiens

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa represents pyroglutamate

<400> 42

Xaa Glu Phe Arg His Asp Ser  
1 5

<210> 43  
<211> 8  
<212> PRT  
<213> homo sapiens

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa represents pyroglutamate

<400> 43

Xaa Glu Phe Arg His Asp Ser Gly  
1 5

<210> 44  
<211> 9  
<212> PRT  
<213> homo sapiens

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa represents pyroglutamate

<400> 44

Xaa Glu Phe Arg His Asp Ser Gly Tyr

1

5

<210> 45  
<211> 10  
<212> PRT  
<213> homo sapiens

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa represents pyroglutamate

<400> 45

Xaa Glu Phe Arg His Asp Ser Gly Tyr Glu  
1 5 10

<210> 46  
<211> 11  
<212> PRT  
<213> homo sapiens

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa represents pyroglutamate

<400> 46

Xaa Glu Phe Arg His Asp Ser Gly Tyr Glu Val  
1 5 10

<210> 47  
<211> 12  
<212> PRT  
<213> homo sapiens

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa represents pyroglutamate

<400> 47

Xaa Glu Phe Arg His Asp Ser Gly Tyr Glu Val His  
1 5 10

<210> 48  
<211> 13  
<212> PRT  
<213> homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (1)..(1)  
 <223> Xaa represents pyroglutamate

<400> 48

Xaa Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His  
 1 5 10

<210> 49  
 <211> 14  
 <212> PRT  
 <213> homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (1)..(1)  
 <223> Xaa represents pyroglutamate

<400> 49

Xaa Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln  
 1 5 10

<210> 50  
 <211> 15  
 <212> PRT  
 <213> homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (1)..(1)  
 <223> Xaa represents pyroglutamate

<400> 50

Xaa Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys  
 1 5 10 15

<210> 51  
 <211> 16  
 <212> PRT  
 <213> homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (1)..(1)  
 <223> Xaa represents pyroglutamate

<400> 51

Xaa	Glu	Phe	Arg	His	Asp	Ser	Gly	Tyr	Glu	Val	His	His	Gln	Lys	Leu
1				5					10					15	

<210> 52  
 <211> 16  
 <212> PRT  
 <213> homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (1)..(1)  
 <223> Xaa represents pyroglutamate

<400> 52

Xaa	Glu	Phe	Arg	His	Asp	Ser	Gly	Tyr	Glu	Val	His	His	Gln	Lys	Leu
1				5					10					15	

<210> 53  
 <211> 4  
 <212> PRT  
 <213> homo sapiens

<400> 53

Phe Arg His Asp  
 1

<210> 54  
 <211> 5  
 <212> PRT  
 <213> homo sapiens

<400> 54

Phe Arg His Asp Ser  
 1 5

<210> 55  
 <211> 6  
 <212> PRT  
 <213> homo sapiens

<400> 55

Phe Arg His Asp Ser Gly  
 1 5

<210> 56  
 <211> 7  
 <212> PRT  
 <213> homo sapiens

<400> 56

Phe Arg His Asp Ser Gly Tyr  
1 5

<210> 57

<211> 8

<212> PRT

<213> homo sapiens

<400> 57

Phe Arg His Asp Ser Gly Tyr Glu  
1 5

<210> 58

<211> 9

<212> PRT

<213> homo sapiens

<400> 58

Phe Arg His Asp Ser Gly Tyr Glu Val  
1 5

<210> 59

<211> 10

<212> PRT

<213> homo sapiens

<400> 59

Phe Arg His Asp Ser Gly Tyr Glu Val His  
1 5 10

<210> 60

<211> 11

<212> PRT

<213> homo sapiens

<400> 60

Phe Arg His Asp Ser Gly Tyr Glu Val His His  
1 5 10

<210> 61

<211> 12

<212> PRT

<213> homo sapiens

<400> 61

Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln  
1 5 10

<210> 62  
 <211> 13  
 <212> PRT  
 <213> homo sapiens

<400> 62

Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys  
 1 5 10

<210> 63  
 <211> 14  
 <212> PRT  
 <213> homo sapiens

<400> 63

Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys Leu  
 1 5 10

<210> 64  
 <211> 15  
 <212> PRT  
 <213> homo sapiens

<400> 64

Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys Leu Val  
 1 5 10 15

<210> 65  
 <211> 16  
 <212> PRT  
 <213> homo sapiens

<400> 65

Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys Leu Val Phe  
 1 5 10 15

<210> 66  
 <211> 4  
 <212> PRT  
 <213> homo sapiens

<400> 66

Arg His Asp Ser  
 1

<210> 67  
 <211> 5

<212> PRT  
<213> homo sapiens

<400> 67

Arg His Asp Ser Gly  
1 5

<210> 68  
<211> 6  
<212> PRT  
<213> homo sapiens

<400> 68

Arg His Asp Ser Gly Tyr  
1 5

<210> 69  
<211> 7  
<212> PRT  
<213> homo sapiens

<400> 69

Arg His Asp Ser Gly Tyr Glu  
1 5

<210> 70  
<211> 8  
<212> PRT  
<213> homo sapiens

<400> 70

Arg His Asp Ser Gly Tyr Glu Val  
1 5

<210> 71  
<211> 9  
<212> PRT  
<213> homo sapiens

<400> 71

Arg His Asp Ser Gly Tyr Glu Val His  
1 5

<210> 72  
<211> 10  
<212> PRT  
<213> homo sapiens

<400> 72

Arg His Asp Ser Gly Tyr Glu Val His His  
1 5 10

<210> 73  
<211> 11  
<212> PRT  
<213> homo sapiens

<400> 73

Arg His Asp Ser Gly Tyr Glu Val His His Gln  
1 5 10

<210> 74  
<211> 12  
<212> PRT  
<213> homo sapiens

<400> 74

Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys  
1 5 10

<210> 75  
<211> 13  
<212> PRT  
<213> homo sapiens

<400> 75

Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys Leu  
1 5 10

<210> 76  
<211> 14  
<212> PRT  
<213> homo sapiens

<400> 76

Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys Leu Val  
1 5 10

<210> 77  
<211> 15  
<212> PRT  
<213> homo sapiens

<400> 77

Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys Leu Val Phe  
1 5 10 15



<210> 78  
<211> 16  
<212> PRT  
<213> homo sapiens

<400> 78

Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys Leu Val Phe Phe  
1 5 10 15

<210> 79  
<211> 4  
<212> PRT  
<213> homo sapiens

<400> 79

His Asp Ser Gly  
1

<210> 80  
<211> 5  
<212> PRT  
<213> homo sapiens

<400> 80

His Asp Ser Gly Tyr  
1 5

<210> 81  
<211> 6  
<212> PRT  
<213> homo sapiens

<400> 81

His Asp Ser Gly Tyr Glu  
1 5

<210> 82  
<211> 7  
<212> PRT  
<213> homo sapiens

<400> 82

His Asp Ser Gly Tyr Glu Val  
1 5

<210> 83  
<211> 8  
<212> PRT

<213> homo sapiens

<400> 83

His Asp Ser Gly Tyr Glu Val His  
1 5

<210> 84

<211> 9

<212> PRT

<213> homo sapiens

<400> 84

His Asp Ser Gly Tyr Glu Val His His  
1 5

<210> 85

<211> 10

<212> PRT

<213> homo sapiens

<400> 85

His Asp Ser Gly Tyr Glu Val His His Gln  
1 5 10

<210> 86

<211> 11

<212> PRT

<213> homo sapiens

<400> 86

His Asp Ser Gly Tyr Glu Val His His Gln Lys  
1 5 10

<210> 87

<211> 12

<212> PRT

<213> homo sapiens

<400> 87

His Asp Ser Gly Tyr Glu Val His His Gln Lys Leu  
1 5 10

<210> 88

<211> 13

<212> PRT

<213> homo sapiens

<400> 88

His Asp Ser Gly Tyr Glu Val His His Gln Lys Leu Val  
1 5 10

<210> 89  
<211> 14  
<212> PRT  
<213> homo sapiens

<400> 89

His Asp Ser Gly Tyr Glu Val His His Gln Lys Leu Val Phe  
1 5 10

<210> 90  
<211> 15  
<212> PRT  
<213> homo sapiens

<400> 90

His Asp Ser Gly Tyr Glu Val His His Gln Lys Leu Val Phe Phe  
1 5 10 15

<210> 91  
<211> 16  
<212> PRT  
<213> homo sapiens

<400> 91

His Asp Ser Gly Tyr Glu Val His His Gln Lys Leu Val Phe Phe Ala  
1 5 10 15

<210> 92  
<211> 4  
<212> PRT  
<213> homo sapiens

<400> 92

Asp Ser Gly Tyr  
1

<210> 93  
<211> 5  
<212> PRT  
<213> homo sapiens

<400> 93

Asp Ser Gly Tyr Glu  
1 5

<210> 94  
<211> 6  
<212> PRT  
<213> homo sapiens

<400> 94

Asp Ser Gly Tyr Glu Val  
1 5

<210> 95  
<211> 7  
<212> PRT  
<213> homo sapiens

<400> 95

Asp Ser Gly Tyr Glu Val His  
1 5

<210> 96  
<211> 8  
<212> PRT  
<213> homo sapiens

<400> 96

Asp Ser Gly Tyr Glu Val His His  
1 5

<210> 97  
<211> 9  
<212> PRT  
<213> homo sapiens

<400> 97

Asp Ser Gly Tyr Glu Val His His Gln  
1 5

<210> 98  
<211> 10  
<212> PRT  
<213> homo sapiens

<400> 98

Asp Ser Gly Tyr Glu Val His His Gln Lys  
1 5 10

<210> 99  
<211> 11  
<212> PRT  
<213> homo sapiens

<400> 99

Asp Ser Gly Tyr Glu Val His His Gln Lys Leu  
1 5 10

<210> 100

<211> 12

<212> PRT

<213> homo sapiens

<400> 100

Asp Ser Gly Tyr Glu Val His His Gln Lys Leu Val  
1 5 10

<210> 101

<211> 13

<212> PRT

<213> homo sapiens

<400> 101

Asp Ser Gly Tyr Glu Val His His Gln Lys Leu Val Phe  
1 5 10

<210> 102

<211> 14

<212> PRT

<213> homo sapiens

<400> 102

Asp Ser Gly Tyr Glu Val His His Gln Lys Leu Val Phe Phe  
1 5 10

<210> 103

<211> 15

<212> PRT

<213> homo sapiens

<400> 103

Asp Ser Gly Tyr Glu Val His His Gln Lys Leu Val Phe Phe Ala  
1 5 10 15

<210> 104

<211> 16

<212> PRT

<213> homo sapiens

<400> 104

Asp Ser Gly Tyr Glu Val His His Gln Lys Leu Val Phe Phe Ala Glu



<211> 9  
<212> PRT  
<213> homo sapiens

<400> 110

Ser Gly Tyr Glu Val His His Gln Lys  
1 5

<210> 111  
<211> 10  
<212> PRT  
<213> homo sapiens

<400> 111

Ser Gly Tyr Glu Val His His Gln Lys Leu  
1 5 10

<210> 112  
<211> 11  
<212> PRT  
<213> homo sapiens

<400> 112

Ser Gly Tyr Glu Val His His Gln Lys Leu Val  
1 5 10

<210> 113  
<211> 12  
<212> PRT  
<213> homo sapiens

<400> 113

Ser Gly Tyr Glu Val His His Gln Lys Leu Val Phe  
1 5 10

<210> 114  
<211> 13  
<212> PRT  
<213> homo sapiens

<400> 114

Ser Gly Tyr Glu Val His His Gln Lys Leu Val Phe Phe  
1 5 10

<210> 115  
<211> 14  
<212> PRT  
<213> homo sapiens

<400> 115

Ser Gly Tyr Glu Val His His Gln Lys Leu Val Phe Phe Ala  
1 5 10

<210> 116

<211> 15

<212> PRT

<213> homo sapiens

<400> 116

Ser Gly Tyr Glu Val His His Gln Lys Leu Val Phe Phe Ala Glu  
1 5 10 15

<210> 117

<211> 16

<212> PRT

<213> homo sapiens

<400> 117

Ser Gly Tyr Glu Val His His Gln Lys Leu Val Phe Phe Ala Glu Asp  
1 5 10 15

<210> 118

<211> 4

<212> PRT

<213> homo sapiens

<400> 118

Gly Tyr Glu Val  
1

<210> 119

<211> 5

<212> PRT

<213> homo sapiens

<400> 119

Gly Tyr Glu Val His  
1 5

<210> 120

<211> 6

<212> PRT

<213> homo sapiens

<400> 120

Gly Tyr Glu Val His His  
1 5



<210> 121  
<211> 7  
<212> PRT  
<213> homo sapiens

<400> 121

Gly Tyr Glu Val His His Gln  
1 5

<210> 122  
<211> 8  
<212> PRT  
<213> homo sapiens

<400> 122

Gly Tyr Glu Val His His Gln Lys  
1 5

<210> 123  
<211> 9  
<212> PRT  
<213> homo sapiens

<400> 123

Gly Tyr Glu Val His His Gln Lys Leu  
1 5

<210> 124  
<211> 10  
<212> PRT  
<213> homo sapiens

<400> 124

Gly Tyr Glu Val His His Gln Lys Leu Val  
1 5 10

<210> 125  
<211> 11  
<212> PRT  
<213> homo sapiens

<400> 125

Gly Tyr Glu Val His His Gln Lys Leu Val Phe  
1 5 10

<210> 126  
<211> 12

<212> PRT  
<213> homo sapiens  
  
<400> 126

Gly Tyr Glu Val His His Gln Lys Leu Val Phe Phe  
1 5 10

<210> 127  
<211> 13  
<212> PRT  
<213> homo sapiens  
  
<400> 127

Gly Tyr Glu Val His His Gln Lys Leu Val Phe Phe Ala  
1 5 10

<210> 128  
<211> 14  
<212> PRT  
<213> homo sapiens  
  
<400> 128

Gly Tyr Glu Val His His Gln Lys Leu Val Phe Phe Ala Glu  
1 5 10

<210> 129  
<211> 15  
<212> PRT  
<213> homo sapiens  
  
<400> 129

Gly Tyr Glu Val His His Gln Lys Leu Val Phe Phe Ala Glu Asp  
1 5 10 15

<210> 130  
<211> 16  
<212> PRT  
<213> homo sapiens  
  
<400> 130

Gly Tyr Glu Val His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val  
1 5 10 15

<210> 131  
<211> 4  
<212> PRT  
<213> homo sapiens  
  
<400> 131

Tyr Glu Val His  
1

<210> 132  
<211> 5  
<212> PRT  
<213> homo sapiens  
  
<400> 132

Tyr Glu Val His His  
1 5

<210> 133  
<211> 6  
<212> PRT  
<213> homo sapiens  
  
<400> 133

Tyr Glu Val His His Gln  
1 5

<210> 134  
<211> 7  
<212> PRT  
<213> homo sapiens  
  
<400> 134

Tyr Glu Val His His Gln Lys  
1 5

<210> 135  
<211> 8  
<212> PRT  
<213> homo sapiens  
  
<400> 135

Tyr Glu Val His His Gln Lys Leu  
1 5

<210> 136  
<211> 9  
<212> PRT  
<213> homo sapiens  
  
<400> 136

Tyr Glu Val His His Gln Lys Leu Val  
1 5

<210> 137  
<211> 10  
<212> PRT  
<213> homo sapiens

<400> 137

Tyr Glu Val His His Gln Lys Leu Val Phe  
1 5 10

<210> 138  
<211> 11  
<212> PRT  
<213> homo sapiens

<400> 138

Tyr Glu Val His His Gln Lys Leu Val Phe Phe  
1 5 10

<210> 139  
<211> 12  
<212> PRT  
<213> homo sapiens

<400> 139

Tyr Glu Val His His Gln Lys Leu Val Phe Phe Ala  
1 5 10

<210> 140  
<211> 13  
<212> PRT  
<213> homo sapiens

<400> 140

Tyr Glu Val His His Gln Lys Leu Val Phe Phe Ala Glu  
1 5 10

<210> 141  
<211> 14  
<212> PRT  
<213> homo sapiens

<400> 141

Tyr Glu Val His His Gln Lys Leu Val Phe Phe Ala Glu Asp  
1 5 10

<210> 142  
<211> 15  
<212> PRT

<213> homo sapiens

<400> 142

Tyr Glu Val His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val  
1 5 10 15

<210> 143

<211> 16

<212> PRT

<213> homo sapiens

<400> 143

Tyr Glu Val His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly  
1 5 10 15

<210> 144

<211> 41

<212> PRT

<213> homo sapiens

<400> 144

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Leu  
1 5 10 15

Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly  
20 25 30

Leu Met Val Gly Gly Val Val Ile Ala  
35 40

<210> 145

<211> 40

<212> PRT

<213> homo sapiens

<400> 145

Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Leu Val  
1 5 10 15

Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu  
20 25 30

Met Val Gly Gly Val Val Ile Ala  
35 40

<210> 146

<211> 39

<212> PRT  
<213> homo sapiens

<400> 146

Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Leu Val Phe  
1 5 10 15

Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met  
20 25 30

Val Gly Gly Val Val Ile Ala  
35

<210> 147  
<211> 39  
<212> PRT  
<213> homo sapiens

<220>  
<221> MISC\_FEATURE  
<222> (1)..(1)  
<223> Xaa represents pyroglutamate

<400> 147

Xaa Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Leu Val Phe  
1 5 10 15

Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met  
20 25 30

Val Gly Gly Val Val Ile Ala  
35

<210> 148  
<211> 38  
<212> PRT  
<213> homo sapiens

<400> 148

Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Leu Val Phe Phe  
1 5 10 15

Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met Val  
20 25 30

Gly Gly Val Val Ile Ala  
35

<210> 149  
<211> 37  
<212> PRT  
<213> homo sapiens

<400> 149

Arg His Asp Ser Gly Tyr Glu Val His His Gln Leu Val Phe Phe Ala  
1 5 10 15

Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly  
20 25 30

Gly Val Val Ile Ala  
35

<210> 150  
<211> 36  
<212> PRT  
<213> homo sapiens

<400> 150

His Asp Ser Gly Tyr Glu Val His His Gln Leu Val Phe Phe Ala Glu  
1 5 10 15

Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly Gly  
20 25 30

Val Val Ile Ala  
35

<210> 151  
<211> 35  
<212> PRT  
<213> homo sapiens

<400> 151

Asp Ser Gly Tyr Glu Val His His Gln Leu Val Phe Phe Ala Glu Asp  
1 5 10 15

Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly Gly Val  
20 25 30

Val Ile Ala  
35

<210> 152  
<211> 34  
<212> PRT  
<213> homo sapiens

<400> 152

Ser Gly Tyr Glu Val His His Gln Leu Val Phe Phe Ala Glu Asp Val  
1 5 10 15

Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly Gly Val Val  
20 25 30

Ile Ala

<210> 153  
<211> 33  
<212> PRT  
<213> homo sapiens

<400> 153

Gly Tyr Glu Val His His Gln Leu Val Phe Phe Ala Glu Asp Val Gly  
1 5 10 15

Ser Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly Gly Val Val Ile  
20 25 30

Ala

<210> 154  
<211> 32  
<212> PRT  
<213> homo sapiens

<400> 154

Tyr Glu Val His His Gln Leu Val Phe Phe Ala Glu Asp Val Gly Ser  
1 5 10 15

Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly Gly Val Val Ile Ala  
20 25 30

<210> 155  
<211> 39  
<212> PRT  
<213> homo sapiens

<400> 155



Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Leu  
 1 5 10 15

Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly  
 20 25 30

Leu Met Val Gly Gly Val Val  
 35

<210> 156  
 <211> 38  
 <212> PRT  
 <213> homo sapiens

<400> 156

Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Leu Val  
 1 5 10 15

Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu  
 20 25 30

Met Val Gly Gly Val Val  
 35

<210> 157  
 <211> 37  
 <212> PRT  
 <213> homo sapiens

<400> 157

Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Leu Val Phe  
 1 5 10 15

Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met  
 20 25 30

Val Gly Gly Val Val  
 35

<210> 158  
 <211> 37  
 <212> PRT  
 <213> homo sapiens

<220>  
 <221> MISC\_FEATURE

<222> (1)..()  
<223> Xaa represents pyroglutamate

<400> 158

Xaa Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Leu Val Phe  
1 5 10 15

Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met  
20 25 30

Val Gly Gly Val Val  
35

<210> 159  
<211> 36  
<212> PRT  
<213> homo sapiens

<400> 159

Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Leu Val Phe Phe  
1 5 10 15

Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met Val  
20 25 30

Gly Gly Val Val  
35

<210> 160  
<211> 35  
<212> PRT  
<213> homo sapiens

<400> 160

Arg His Asp Ser Gly Tyr Glu Val His His Gln Leu Val Phe Phe Ala  
1 5 10 15

Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly  
20 25 30

Gly Val Val  
35

<210> 161  
<211> 34  
<212> PRT  
<213> homo sapiens

<400> 161

His Asp Ser Gly Tyr Glu Val His His Gln Leu Val Phe Phe Ala Glu  
1 5 10 15

Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly Gly  
20 25 30

Val Val

<210> 162

<211> 33

<212> PRT

<213> homo sapiens

<400> 162

Asp Ser Gly Tyr Glu Val His His Gln Leu Val Phe Phe Ala Glu Asp  
1 5 10 15

Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly Gly Val  
20 25 30

Val

<210> 163

<211> 32

<212> PRT

<213> homo sapiens

<400> 163

Ser Gly Tyr Glu Val His His Gln Leu Val Phe Phe Ala Glu Asp Val  
1 5 10 15

Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly Gly Val Val  
20 25 30

<210> 164

<211> 31

<212> PRT

<213> homo sapiens

<400> 164

Gly Tyr Glu Val His His Gln Leu Val Phe Phe Ala Glu Asp Val Gly  
1 5 10 15

Ser Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly Gly Val Val  
 20 25 30

<210> 165  
 <211> 30  
 <212> PRT  
 <213> homo sapiens

<400> 165

Tyr Glu Val His His Gln Leu Val Phe Phe Ala Glu Asp Val Gly Ser  
 1 5 10 15

Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly Gly Val Val  
 20 25 30

<210> 166  
 <211> 4  
 <212> PRT  
 <213> homo sapiens

<400> 166

Val Lys Met Asp  
 1

<210> 167  
 <211> 5  
 <212> PRT  
 <213> homo sapiens

<400> 167

Glu Val Lys Met Asp  
 1 5

<210> 168  
 <211> 6  
 <212> PRT  
 <213> homo sapiens

<400> 168

Ser Glu Val Lys Met Asp  
 1 5

<210> 169  
 <211> 7  
 <212> PRT  
 <213> homo sapiens

<400> 169

Ile Ser Glu Val Lys Met Asp  
1 5

<210> 170  
<211> 8  
<212> PRT  
<213> homo sapiens

<400> 170

Glu Ile Ser Glu Val Lys Met Asp  
1 5

<210> 171  
<211> 9  
<212> PRT  
<213> homo sapiens

<400> 171

Glu Glu Ile Ser Glu Val Lys Met Asp  
1 5

<210> 172  
<211> 10  
<212> PRT  
<213> homo sapiens

<400> 172

Thr Glu Glu Ile Ser Glu Val Lys Met Asp  
1 5 10

<210> 173  
<211> 11  
<212> PRT  
<213> homo sapiens

<400> 173

Lys Thr Glu Glu Ile Ser Glu Val Lys Met Asp  
1 5 10

<210> 174  
<211> 12  
<212> PRT  
<213> homo sapiens

<400> 174

Ile Lys Thr Glu Glu Ile Ser Glu Val Lys Met Asp  
1 5 10

<210> 175  
<211> 13  
<212> PRT  
<213> homo sapiens

<400> 175

Asn Ile Lys Thr Glu Glu Ile Ser Glu Val Lys Met Asp  
1 5 10

<210> 176  
<211> 14  
<212> PRT  
<213> homo sapiens

<400> 176

Thr Asn Ile Lys Thr Glu Glu Ile Ser Glu Val Lys Met Asp  
1 5 10

<210> 177  
<211> 15  
<212> PRT  
<213> homo sapiens

<400> 177

Leu Thr Asn Ile Lys Thr Glu Glu Ile Ser Glu Val Lys Met Asp  
1 5 10 15

<210> 178  
<211> 16  
<212> PRT  
<213> homo sapiens

<400> 178

Gly Leu Thr Asn Ile Lys Thr Glu Glu Ile Ser Glu Val Lys Met Asp  
1 5 10 15

<210> 179  
<211> 4  
<212> PRT  
<213> homo sapiens

<400> 179

Lys Met Asp Ala  
1

<210> 180  
<211> 5  
<212> PRT

<213> homo sapiens

<400> 180

Val Lys Met Asp Ala  
1 5

<210> 181

<211> 6

<212> PRT

<213> homo sapiens

<400> 181

Glu Val Lys Met Asp Ala  
1 5

<210> 182

<211> 7

<212> PRT

<213> homo sapiens

<400> 182

Ser Glu Val Lys Met Asp Ala  
1 5

<210> 183

<211> 8

<212> PRT

<213> homo sapiens

<400> 183

Ile Ser Glu Val Lys Met Asp Ala  
1 5

<210> 184

<211> 9

<212> PRT

<213> homo sapiens

<400> 184

Glu Ile Ser Glu Val Lys Met Asp Ala  
1 5

<210> 185

<211> 10

<212> PRT

<213> homo sapiens

<400> 185

Glu Glu Ile Ser Glu Val Lys Met Asp Ala  
1 5 10

<210> 186  
<211> 11  
<212> PRT  
<213> homo sapiens

<400> 186

Thr Glu Glu Ile Ser Glu Val Lys Met Asp Ala  
1 5 10

<210> 187  
<211> 12  
<212> PRT  
<213> homo sapiens

<400> 187

Lys Thr Glu Glu Ile Ser Glu Val Lys Met Asp Ala  
1 5 10

<210> 188  
<211> 13  
<212> PRT  
<213> homo sapiens

<400> 188

Ile Lys Thr Glu Glu Ile Ser Glu Val Lys Met Asp Ala  
1 5 10

<210> 189  
<211> 14  
<212> PRT  
<213> homo sapiens

<400> 189

Asn Ile Lys Thr Glu Glu Ile Ser Glu Val Lys Met Asp Ala  
1 5 10

<210> 190  
<211> 15  
<212> PRT  
<213> homo sapiens

<400> 190

Thr Asn Ile Lys Thr Glu Glu Ile Ser Glu Val Lys Met Asp Ala  
1 5 10 15



<210> 191  
<211> 16  
<212> PRT  
<213> homo sapiens

<400> 191

Leu Thr Asn Ile Lys Thr Glu Glu Ile Ser Glu Val Lys Met Asp Ala  
1 5 10 15

<210> 192  
<211> 4  
<212> PRT  
<213> homo sapiens

<400> 192

Met Asp Ala Glu  
1

<210> 193  
<211> 5  
<212> PRT  
<213> homo sapiens

<400> 193

Lys Met Asp Ala Glu  
1 5

<210> 194  
<211> 6  
<212> PRT  
<213> homo sapiens

<400> 194

Val Lys Met Asp Ala Glu  
1 5

<210> 195  
<211> 7  
<212> PRT  
<213> homo sapiens

<400> 195

Glu Val Lys Met Asp Ala Glu  
1 5

<210> 196  
<211> 8  
<212> PRT  
<213> homo sapiens

<400> 196

Ser Glu Val Lys Met Asp Ala Glu  
1 5

<210> 197

<211> 9

<212> PRT

<213> homo sapiens

<400> 197

Ile Ser Glu Val Lys Met Asp Ala Glu  
1 5

<210> 198

<211> 10

<212> PRT

<213> homo sapiens

<400> 198

Glu Ile Ser Glu Val Lys Met Asp Ala Glu  
1 5 10

<210> 199

<211> 11

<212> PRT

<213> homo sapiens

<400> 199

Glu Glu Ile Ser Glu Val Lys Met Asp Ala Glu  
1 5 10

<210> 200

<211> 12

<212> PRT

<213> homo sapiens

<400> 200

Thr Glu Glu Ile Ser Glu Val Lys Met Asp Ala Glu  
1 5 10

<210> 201

<211> 13

<212> PRT

<213> homo sapiens

<400> 201

Lys Thr Glu Glu Ile Ser Glu Val Lys Met Asp Ala Glu

1 5 10

<210> 202  
<211> 14  
<212> PRT  
<213> homo sapiens

<400> 202

Ile Lys Thr Glu Glu Ile Ser Glu Val Lys Met Asp Ala Glu  
1 5 10

<210> 203  
<211> 15  
<212> PRT  
<213> homo sapiens

<400> 203

Asn Ile Lys Thr Glu Glu Ile Ser Glu Val Lys Met Asp Ala Glu  
1 5 10 15

<210> 204  
<211> 16  
<212> PRT  
<213> homo sapiens

<400> 204

Thr Asn Ile Lys Thr Glu Glu Ile Ser Glu Val Lys Met Asp Ala Glu  
1 5 10 15

<210> 205  
<211> 5  
<212> PRT  
<213> homo sapiens

<400> 205

Met Asp Ala Glu Phe  
1 5

<210> 206  
<211> 6  
<212> PRT  
<213> homo sapiens

<400> 206

Lys Met Asp Ala Glu Phe  
1 5

<210> 207

<211> 7  
<212> PRT  
<213> homo sapiens

<400> 207

Val Lys Met Asp Ala Glu Phe  
1 5

<210> 208  
<211> 8  
<212> PRT  
<213> homo sapiens

<400> 208

Glu Val Lys Met Asp Ala Glu Phe  
1 5

<210> 209  
<211> 9  
<212> PRT  
<213> homo sapiens

<400> 209

Ser Glu Val Lys Met Asp Ala Glu Phe  
1 5

<210> 210  
<211> 10  
<212> PRT  
<213> homo sapiens

<400> 210

Ile Ser Glu Val Lys Met Asp Ala Glu Phe  
1 5 10

<210> 211  
<211> 11  
<212> PRT  
<213> homo sapiens

<400> 211

Glu Ile Ser Glu Val Lys Met Asp Ala Glu Phe  
1 5 10

<210> 212  
<211> 12  
<212> PRT  
<213> homo sapiens

<400> 212

Glu Glu Ile Ser Glu Val Lys Met Asp Ala Glu Phe  
1 5 10

<210> 213

<211> 13

<212> PRT

<213> homo sapiens

<400> 213

Thr Glu Glu Ile Ser Glu Val Lys Met Asp Ala Glu Phe  
1 5 10

<210> 214

<211> 14

<212> PRT

<213> homo sapiens

<400> 214

Lys Thr Glu Glu Ile Ser Glu Val Lys Met Asp Ala Glu Phe  
1 5 10

<210> 215

<211> 15

<212> PRT

<213> homo sapiens

<400> 215

Ile Lys Thr Glu Glu Ile Ser Glu Val Lys Met Asp Ala Glu Phe  
1 5 10 15

<210> 216

<211> 16

<212> PRT

<213> homo sapiens

<400> 216

Asn Ile Lys Thr Glu Glu Ile Ser Glu Val Lys Met Asp Ala Glu Phe  
1 5 10 15

<210> 217

<211> 6

<212> PRT

<213> homo sapiens

<400> 217

Met Asp Ala Glu Phe Arg  
1 5

<210> 218  
<211> 7  
<212> PRT  
<213> homo sapiens

<400> 218

Lys Met Asp Ala Glu Phe Arg  
1 5

<210> 219  
<211> 8  
<212> PRT  
<213> homo sapiens

<400> 219

Val Lys Met Asp Ala Glu Phe Arg  
1 5

<210> 220  
<211> 9  
<212> PRT  
<213> homo sapiens

<400> 220

Glu Val Lys Met Asp Ala Glu Phe Arg  
1 5

<210> 221  
<211> 10  
<212> PRT  
<213> homo sapiens

<400> 221

Ser Glu Val Lys Met Asp Ala Glu Phe Arg  
1 5 10

<210> 222  
<211> 11  
<212> PRT  
<213> homo sapiens

<400> 222

Ile Ser Glu Val Lys Met Asp Ala Glu Phe Arg  
1 5 10

<210> 223  
<211> 12

<212> PRT  
<213> homo sapiens  
  
<400> 223

Glu Ile Ser Glu Val Lys Met Asp Ala Glu Phe Arg  
1 5 10

<210> 224  
<211> 13  
<212> PRT  
<213> homo sapiens

<400> 224 .

Glu Glu Ile Ser Glu Val Lys Met Asp Ala Glu Phe Arg  
1 5 10

<210> 225  
<211> 14  
<212> PRT  
<213> homo sapiens

<400> 225

Thr Glu Glu Ile Ser Glu Val Lys Met Asp Ala Glu Phe Arg  
1 5 10

<210> 226  
<211> 15  
<212> PRT  
<213> homo sapiens

<400> 226

Lys Thr Glu Glu Ile Ser Glu Val Lys Met Asp Ala Glu Phe Arg  
1 5 10 15

<210> 227  
<211> 16  
<212> PRT  
<213> homo sapiens

<400> 227

Ile Lys Thr Glu Glu Ile Ser Glu Val Lys Met Asp Ala Glu Phe Arg  
1 5 10 15

<210> 228  
<211> 7  
<212> PRT  
<213> homo sapiens

<400> 228

Met Asp Ala Glu Phe Arg His  
1 5

<210> 229  
<211> 8  
<212> PRT  
<213> homo sapiens

<400> 229

Lys Met Asp Ala Glu Phe Arg His  
1 5

<210> 230  
<211> 9  
<212> PRT  
<213> homo sapiens

<400> 230

Val Lys Met Asp Ala Glu Phe Arg His  
1 5

<210> 231  
<211> 10  
<212> PRT  
<213> homo sapiens

<400> 231

Glu Val Lys Met Asp Ala Glu Phe Arg His  
1 5 10

<210> 232  
<211> 11  
<212> PRT  
<213> homo sapiens

<400> 232

Ser Glu Val Lys Met Asp Ala Glu Phe Arg His  
1 5 10

<210> 233  
<211> 12  
<212> PRT  
<213> homo sapiens

<400> 233

Ile Ser Glu Val Lys Met Asp Ala Glu Phe Arg His  
1 5 10



<210> 234  
<211> 13  
<212> PRT  
<213> homo sapiens

<400> 234

Glu Ile Ser Glu Val Lys Met Asp Ala Glu Phe Arg His  
1 5 10

<210> 235  
<211> 14  
<212> PRT  
<213> homo sapiens

<400> 235

Glu Glu Ile Ser Glu Val Lys Met Asp Ala Glu Phe Arg His  
1 5 10

<210> 236  
<211> 15  
<212> PRT  
<213> homo sapiens

<400> 236

Thr Glu Glu Ile Ser Glu Val Lys Met Asp Ala Glu Phe Arg His  
1 5 10 15

<210> 237  
<211> 16  
<212> PRT  
<213> homo sapiens

<400> 237

Lys Thr Glu Glu Ile Ser Glu Val Lys Met Asp Ala Glu Phe Arg His  
1 5 10 15

<210> 238  
<211> 8  
<212> PRT  
<213> homo sapiens

<400> 238

Met Asp Ala Glu Phe Arg His Asp  
1 5

<210> 239  
<211> 9  
<212> PRT

<213> homo sapiens

<400> 239

Lys Met Asp Ala Glu Phe Arg His Asp  
1 5

<210> 240

<211> 10

<212> PRT

<213> homo sapiens

<400> 240

Val Lys Met Asp Ala Glu Phe Arg His Asp  
1 5 10

<210> 241

<211> 11

<212> PRT

<213> homo sapiens

<400> 241

Glu Val Lys Met Asp Ala Glu Phe Arg His Asp  
1 5 10

<210> 242

<211> 12

<212> PRT

<213> homo sapiens

<400> 242

Ser Glu Val Lys Met Asp Ala Glu Phe Arg His Asp  
1 5 10

<210> 243

<211> 13

<212> PRT

<213> homo sapiens

<400> 243

Ile Ser Glu Val Lys Met Asp Ala Glu Phe Arg His Asp  
1 5 10

<210> 244

<211> 14

<212> PRT

<213> homo sapiens

<400> 244

Glu Ile Ser Glu Val Lys Met Asp Ala Glu Phe Arg His Asp  
1 5 10

<210> 245  
<211> 15  
<212> PRT  
<213> homo sapiens

<400> 245

Glu Glu Ile Ser Glu Val Lys Met Asp Ala Glu Phe Arg His Asp  
1 5 10 15

<210> 246  
<211> 16  
<212> PRT  
<213> homo sapiens

<400> 246

Thr Glu Glu Ile Ser Glu Val Lys Met Asp Ala Glu Phe Arg His Asp  
1 5 10 15

<210> 247  
<211> 9  
<212> PRT  
<213> homo sapiens

<400> 247

Met Asp Ala Glu Phe Arg His Asp Ser  
1 5

<210> 248  
<211> 10  
<212> PRT  
<213> homo sapiens

<400> 248

Lys Met Asp Ala Glu Phe Arg His Asp Ser  
1 5 10

<210> 249  
<211> 11  
<212> PRT  
<213> homo sapiens

<400> 249

Val Lys Met Asp Ala Glu Phe Arg His Asp Ser  
1 5 10

<210> 250  
<211> 12  
<212> PRT  
<213> homo sapiens

<400> 250

Glu Val Lys Met Asp Ala Glu Phe Arg His Asp Ser  
1 5 10

<210> 251  
<211> 13  
<212> PRT  
<213> homo sapiens

<400> 251

Ser Glu Val Lys Met Asp Ala Glu Phe Arg His Asp Ser  
1 5 10

<210> 252  
<211> 14  
<212> PRT  
<213> homo sapiens

<400> 252

Ile Ser Glu Val Lys Met Asp Ala Glu Phe Arg His Asp Ser  
1 5 10

<210> 253  
<211> 15  
<212> PRT  
<213> homo sapiens

<400> 253

Glu Ile Ser Glu Val Lys Met Asp Ala Glu Phe Arg His Asp Ser  
1 5 10 15

<210> 254  
<211> 16  
<212> PRT  
<213> homo sapiens

<400> 254

Glu Glu Ile Ser Glu Val Lys Met Asp Ala Glu Phe Arg His Asp Ser  
1 5 10 15

<210> 255  
<211> 10  
<212> PRT  
<213> homo sapiens

<400> 255

Met Asp Ala Glu Phe Arg His Asp Ser Gly  
1 5 10

<210> 256

<211> 11

<212> PRT

<213> homo sapiens

<400> 256

Lys Met Asp Ala Glu Phe Arg His Asp Ser Gly  
1 5 10

<210> 257

<211> 12

<212> PRT

<213> homo sapiens

<400> 257

Val Lys Met Asp Ala Glu Phe Arg His Asp Ser Gly  
1 5 10

<210> 258

<211> 13

<212> PRT

<213> homo sapiens

<400> 258

Glu Val Lys Met Asp Ala Glu Phe Arg His Asp Ser Gly  
1 5 10

<210> 259

<211> 14

<212> PRT

<213> homo sapiens

<400> 259

Ser Glu Val Lys Met Asp Ala Glu Phe Arg His Asp Ser Gly  
1 5 10

<210> 260

<211> 15

<212> PRT

<213> homo sapiens

<400> 260

Ile Ser Glu Val Lys Met Asp Ala Glu Phe Arg His Asp Ser Gly

1 5 10 15

<210> 261  
<211> 16  
<212> PRT  
<213> homo sapiens

<400> 261

Glu Ile Ser Glu Val Lys Met Asp Ala Glu Phe Arg His Asp Ser Gly  
1 5 10 15